

## Claims

What is claimed is:

1. A transmission cable constructed by multilayer technique, located in a cavity comprising a first surface and a second surface which is essentially parallel with the first surface,

said transmission cable consisting of

a signal cable, which is essentially parallel to the first cavity surface,

and of a ground cable, which is placed on said second surface, essentially in parallel with the signal cable,

and said transmission cable also comprises a support element which has a surface that is essentially parallel with said first and second surfaces and is located between said first and second surfaces, so that said signal cable is realised by means of an electroconductive material layer formed on the surface of the support element.

2. A transmission cable according to claim 1, wherein the support element is rectangular in shape.

3. A transmission cable according to claim 1, wherein the support element is a square.

4. A transmission cable according to claim 1, wherein the shape of the support element is a T-beam.